

Comparison of proposed Electrical Conductivity (EC) and Sodium Adsorption Ratio (SAR) water quantity standards for the Powder River Basin from three sources.

The standards are proposed by the local irrigation associations, the Northern Cheyenne Tribe and the State of Montana.

		PETITION			Northern Cheyenne Standards			Proposed Montana Standards (with allocations)		
		Irrigation Season EC uS/cm SAR	Irrigation Season 7/16-9/1* EC uS/cm SAR	Non-irrigation Season EC uS/cm SAR	Irrigation Season EC uS/cm SAR	Non-irrigation Season or max EC uS/cm SAR		Irrigation Season EC uS/cm SAR	Non-irrigation Season EC uS/cm SAR	
RIVER										
Tongue River	Reach Breaks									
	State Line	600 0.5		600 0.5				600 1.8	2000 5	
	T.R. Res. Dam	800 1		800 1				600 1.8	2000 5	
	South N. Cheyenne				1000 2	2000 2		700 2.5	2000 5	
	North N. Cheyenne				1500 3	2000 3		900 3.9	2000 5	
	Mouth	1000 1.6		1200 2.5				1000 4.6	2000 5	
	Tributaries	moratorium	moratorium	moratorium	1500 3	2000 3		500 1.1	2000 5	
Powder River										
	State Line	1400 4	2200 5	3000 6				1900 5	2000 5	
	Mouth	1600 4	2400 5	3200 6				1900 5	2000 5	
	Tributaries	moratorium	moratorium	moratorium				500 1.1	2000 5	
Little Powder River										
	State Line	2000 5	2400 6	3000 8				1900 5		
	Mouth							1900 5		
	Tributaries	moratorium	moratorium	moratorium				500 1.1		
Rosebud Creek										
	Crow Tribe	700 1		700 1				1000 4.6	2000 5	
	South N. Cheyenne							1000 4.6	2000 5	
	North N. Cheyenne	1300 1.5		1300 1.5				1000 4.6	2000 5	
	Mouth	1700 3		1700 3				1000 4.6	2000 5	
	Tributaries	moratorium	moratorium	moratorium				500 1.1	2000 5	

* Standards apply from 7/16 through 9/1 of each irrigation season.

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